| Essential Learning | # | Components | Suggested | |
| --- | --- | --- | --- | --- |
| Activities | Assessments |
| **VCS T 2.1 Understand the ethical, cultural, and societal issues related to technology**  AK Standard: E1, E2, E3, E4, E5, E6, E7, E8  ISTE Standard: 5a, 5b, 5c, 5d | VCS 2.1.1 | Evaluate ways that technology impacts culture and the environment | View and discuss a technology timeline of important advances or inventors in history | Teacher observation  Oral quiz |
|  | VCS 2.1.2 | Practice responsible use of technology systems, information, and software | Read and discuss the Acceptable Use Policy and how it translates to the classroom rules |
|  | VCS 2.1.3 | Develop positive attitudes towards technology use that supports lifelong learning, collaboration, personal pursuits, and productivity | Write a journal entry predicting new technology that could be introduced in the next 5 to 10 years and how it will positively impact humans |
| **VCS T 2.2 Utilize basic input devices**  AK Standard: A1  ISTE Standard: 6a | VCS  2.2.1 | Use appropriate mouse skills | Demonstrate point, click, drag, drag-and-drop and double-click using mouse  Demonstrate right-click and/or control-click | Skills checklist  Teacher observation  Typing program feedback  Oral quiz |
|  | VCS 2.2.2 | Use appropriate keyboarding skills and techniques | Apply the keyboard shortcuts for save, quit, and logout  View a presentation on appropriate keyboard posture  Have students locate and practice keying the home row on the keyboard by touch |
|  | VCS  2.2.3 | Use the keyboard to provide input to applications, software, and the internet | Color a paper keyboard to locate specific keys (return, space bar, numbers, arrows, delete, period, shift, question mark, comma, tab, and home row)  Use the text tool to type and edit text within a program  Enter text in a search engine to locate information or a URL |
| **VCS T 2.3 Demonstrate an understanding of technology concepts, systems, and operations**  AK Standard: A1, A2, A3, A4, A5  ISTE Standard: 6a, 6b, 6c, 6d | VCS 2.3.1 | Recognize, define, and use technology terms, processes and systems | Use the terms cursor, highlight, menu and dock appropriately  Identify the basic parts of a computer: monitor, keyboard, mouse, headphones, CPU, power button, printer, station number, and connections | Teacher observation  Skills checklist |
|  | VCS 2.3.2 | Select and use applications effectively and productively | Use the “Save as” menu item to save a copy of a document  Use the undo function within programs  Create a new document within a program  Find and open previously created documents using the “Recents” menu item  Copy and paste pictures from the internet into a document using the drag-and-drop technique  Use the online/digital component of the reading and math series  Insert a two-column table into a document |
|  | VCS 2.3.3 | Diagnose and solve common technology problems | Practice using function keys to increase and decrease volume, mute and unmute volume, and control screen brightness  Demonstrate correct method for plugging and unplugging headphones and mouse  Identify when a computer is in “sleep mode,” has frozen, is powered off, or has a fatal error  Play a game of “What If:” What if double-click doesn’t work? What if monitor appears off? What if volume doesn’t work? What if the mouse doesn’t work?  Understand how the Caps Lock key works and how it affects the login process |
| **VCS T 2.4 Demonstrate creative thinking and innovation**  AK Standard: D1  ISTE Standard: 1a, 1b, 1c, 1d | VCS 2.4.1 | Apply knowledge to develop new products using technology | Create an acrostic name poem  Create a drawing of themselves with a friend in a drawing program  Look at pictures of boats and then make a picture of an ideal exploring boat (“If you were an explorer, what would you need in your boat?”)  Create a 2 column table of different landforms | Project Rubric  Teacher observation  Skills checklist |
|  | VCS 2.4.2 | Create original products to convey ideas or as personal or group expression | Create their own coloring page for a partner to color  Create a greeting card |
|  | VCS 2.4.3 | Explore issues or ideas using models or simulations | Go to the Jamestown interactive online game to role-play living in that era  Explore the external structures of insects using online models  Create a model of a plant and label its parts: leaves, stem, roots, and flower |
| **VCS T 2.5 Use digital media and environments to communicate and work collaboratively**  AK Standard: D2, D3  ISTE Standard: 2a, 2b, 2c, 2d | VCS 2.5.1 | Convey ideas to a variety of audiences using digital media and tools | Plan, create and present a linear slideshow to classmates  Demonstrate emerging presentation skills  Display student work and discuss the process used to create it | Teacher observation  Project Rubric  Skills checklist |
|  | VCS 2.5.2 | Contribute to project teams to produce original works or solve problems | Create a Venn diagram comparing and contrasting different types of weather in small groups  Create and label a diagram showing the processes of the water cycle in small groups |
|  | VCS 2.5.3 | Use technology to interact with others to create cultural and global awareness | Track the progress of a Iditarod musher and communicate with them or race organizers via the internet |